

Date: Tuesday, 03/02/2009 2:34:52 PM
User: Julie Dawson

Process Sheet

| | | | |
|-------------------------|---|--------------------|----------------------------|
| Customer : | CU-DAR001 Dart Helicopters Services | Drawing Name : | WEARPLATE KIT |
| Job Number : | 45469 ✓ 1 | Part Number : | D120638021 ✓ |
| Estimate Number : | 13775 | Drawing Number : | DSI 9433 REV.A |
| P.O. Number : | | Project Number : | N/A |
| This Issue : | 03/02/2009 S.O. No. : | Drawing Revision : | A |
| Prsht Rev. : | NC | Material : | |
| First Issue : | // Type : LARGE FAB ASSY | Due Date : | 23/02/2009 Qty: 2 Um: Each |
| Previous Run : | | | |
| Written By : | | | |
| Checked & Approved By : | JLD 09.02.03 | | |
| Comment : | Est Rev.A 09-02-03 new issue DD verified by:JLM | | |

Additional Product

Job Number:



| Seq. #: | Machine Or Operation: | Description : |
|---------|-----------------------|---------------|
|---------|-----------------------|---------------|

| | | |
|-----|----|------------------|
| 1.0 | DC | DOCUMENT CONTROL |
|-----|----|------------------|



Comment: DOCUMENT CONTROL

Photocopy bluefile and type labels per PPP D120-638-021 and DSI9433 CHG 001

| | | |
|-----|----------|-----------|
| 2.0 | D3860041 | Wearplate |
|-----|----------|-----------|



Comment: Qty.: 2.0000 Each(s)/Unit Total : 4.0000 Each(s)

Wearplate

batch:

B45474 x 3

| | | |
|-----|--------|------|
| 3.0 | AN415A | Bolt |
|-----|--------|------|



Comment: Qty.: 8.0000 Each(s)/Unit Total : 16.0000 Each(s)

Bolt

batch:

M109148

| | | |
|-----|---------------|--------|
| 4.0 | NAS1149D0463J | Washer |
|-----|---------------|--------|



Comment: Qty.: 8.0000 Each(s)/Unit Total : 16.0000 Each(s)

Washer

batch:

M110523

| | | |
|-----|-----------|-----|
| 5.0 | MS21042L4 | Nut |
|-----|-----------|-----|



Comment: Qty.: 8.0000 Each(s)/Unit Total : 16.0000 Each(s)

Nut

batch:

M1104202

| W/O: | | WORK ORDER CHANGES | | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|--|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector | |
| | | | | | | | | |
| | | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
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| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| | | | | | | | | |
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NOTE: Date & initial all entries

Date: Tuesday, 03/02/2009 2:34:52 PM
User: Julie Dawson

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: WEARPLATE KIT

Job Number: 45469

Part Number: D120638021

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC4

INSPECT 100% KITS FOR COMPLETENESS



Comment: INSPECT 100% KITS FOR COMPLETENESS

09-05-01 (2)

7.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and pack for shipping as per PPP D120-638-021 and DSI9433

Location: A

PPP Rev: 9/5/1

(2)

109

8.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

09/05/04

Job Completion



MF
09-05-01

| W/O: | | WORK ORDER CHANGES | | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|--|
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NOTE: Date & initial all entries

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D120-638 REV. A

REF. TCCA STC: SH99-221

REF. FAA STC: SR01177NY

REF. EASA STC: EASA.IM.R.S.01451

The D120-638-021 Wearplate kit can be installed on D120-638-011 Bearpaw installations. The D3860-041 Wearplates should be installed on the D2435 Bearpaws as shown in Figure 1 on Sheet 2 of this Service Instruction. The Bearpaws should otherwise be installed on the skidtube per installation instructions IIN-D120-638 Rev A.

Customers with old style bearpaws will need to rework the counterbore on the bottom of the bearpaws per Figure 1 on Sheet 2 of this service instruction.

WEIGHT AND BALANCE

| Installation | Weight | Lateral | | Longitudinal | |
|-------------------------------|--------------------|-----------------|-----------------------|--------------------|--------------------------|
| | | Arm | Moment | Arm | Moment |
| D120-638-021 WEARPLATE KIT | 1.72 lb 0.78 kg | 0.0 in 0.0 m | 0.0 in-lb 0.0 m-kg | 178.7 in 4.54 m | 307.4 in-lb 3.54 m-kg |

PARTS LIST

| QTY. -021 | PART NUMBER | DESCRIPTION |
|--------------|---------------|--------------------|
| X | D120-638-021 | Wearplate Kit |
| 2 | D3860-041 | Wearplate |
| 8 | AN4-15A | Bolt |
| 8 | NAS1149D0463J | Washer |
| 8 | MS21042L4 | Nut or (MS21042-4) |

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 15469

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: [Signature]
D. SHEPHERD (DE # 02)

DATE: 09.01.15
CERT. NO.: SH99-221
ISSUE NO.: 1

| | | | |
|------------|--------------------|--|--------------|
| A | NEW ISSUE | <u>[Signature]</u> | 09.01.15 |
| REV. | DESCRIPTION | BY | DATE |
| DESIGN | <u>[Signature]</u> | DART AEROSPACE LTD | |
| DRAWN | <u>[Signature]</u> | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | <u>[Signature]</u> | DRAWING NO. | REV. A |
| MFG. APPR. | N/A | DSI 9433 | SHEET 1 OF 2 |
| APPROVED | <u>[Signature]</u> | TITLE | SCALE |
| DE APPR. | | WEARPLATE KIT | NTS |
| DATE | 09.01.15 | COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. | |

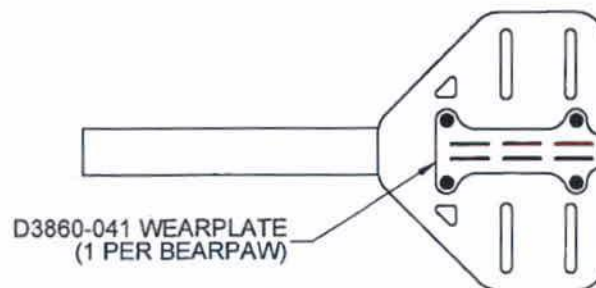
| W/O: | | WORK ORDER CHANGES | | | | | | |
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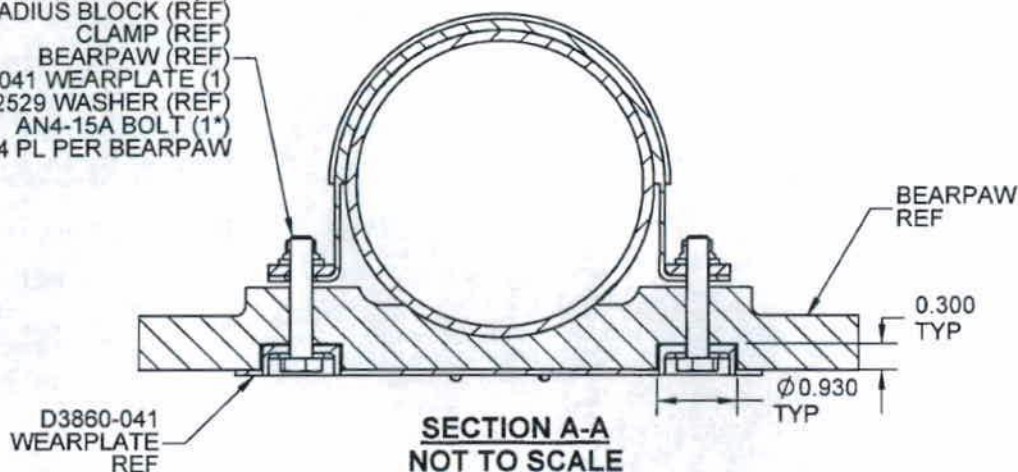
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| | | | | | | | | |

NOTE: Date & initial all entries



BOTTOM VIEW

MS21042L4 NUT (1)
 NAS1149D0463J WASHER (1*)
 D2274 RADIUS BLOCK (REF)
 CLAMP (REF)
 BEARPAW (REF)
 D3860-041 WEARPLATE (1)
 D2529 WASHER (REF)
 AN4-15A BOLT (1*)
 4 PL PER BEARPAW



SECTION A-A
NOT TO SCALE
ROTATED 90° CW

* ADDITIONAL NAS1149D0463J WASHERS MAY BE INSTALLED UNDER NUTS TO ENSURE 1.5 - 4 THREADS IN SAFETY ON BOLTS. ALTHOUGH NOT GENERALLY NECESSARY, IT IS ALSO ACCEPTABLE TO REPLACE THE AN4-15A BOLTS WITH LONGER OR SHORTER AN4 BOLTS, IF REQUIRED.

FIGURE 1: D120-638-021 WEARPLATE KIT

UNCONTROLLED COPY
 RETURN TO
 ENGINEERING
 SUBJECT TO AMENDMENT
 WITHOUT NOTICE
 WORK ORDER
 NO. 45469

CANADA
 DEPARTMENT OF TRANSPORT
 AIRCRAFT CERTIFICATION
 BRANCH
 DAO # 01-O-01

APPROVED

BY: *[Signature]*
 D. SHEPHERD (DE # 02)

DATE: 09.01.15
 CERT. NO.: SH99-221
 ISSUE NO.: 1

| | | | |
|------------|--------------------|--|--------------|
| DESIGN | <i>[Signature]</i> | DART AEROSPACE LTD | |
| DRAWN | <i>[Signature]</i> | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | <i>[Signature]</i> | DRAWING NO. | REV. A |
| MFG. APPR. | N/A | DSI 9433 | SHEET 2 OF 2 |
| APPROVED | <i>[Signature]</i> | TITLE | SCALE |
| DE APPR. | | WEARPLATE KIT | NTS |
| DATE | 09.01.15 | COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. | |

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